

APPROVED	O. G. FIG.
BY	
DRAFTSMAN	

USE OF PASSIVE MYOSTATIN IMMUNOTHERAPY  
INVENTORS NAME: Mohamed E. El Halawani  
SERIAL NO.: 09/754,826

1/20

GDF-8

DNA SEQUENCE

GATTTGGCCTTGAUTGCGACGAGCACTCAACGGAATCTGATGTTGTCGCTA  
CCCGCTGACAGTGGATTTGAAGCTTGATGGACTGGATTATAGCACCTA  
AAAGATAACAAAGCCAATTACTGCTCTGGAGAATGTGAATTGTATTCTACA  
GAAATACCCGCACACTCACCTGGTACACCAAGCAAATCCAAGAGGCTCAGCA  
GGCCCTTGCTGCACACCCACCAAGATGCCCCATAAACATGCTGTATTCAA  
TGAAAAGAACAAATAATATGGAAAGATACCAGCATGGTTGTAGATCGT  
TGCGGGTGCTCATGAGAC

SEQ ID NO:1

PROTEIN SEQUENCE

DFGLDCDEHSTESRCCRYPLTVDFEAFGWDWIIAPKRYKANYCSGECEFVFLQK  
YPHTHLVHQANPRGSAGPCCTPLMSPINMLYFNGKEQIYGKIPAMVVDRGCS

SEQ ID NO:2

FIG. 1

DRAFTSHEET - 9281569

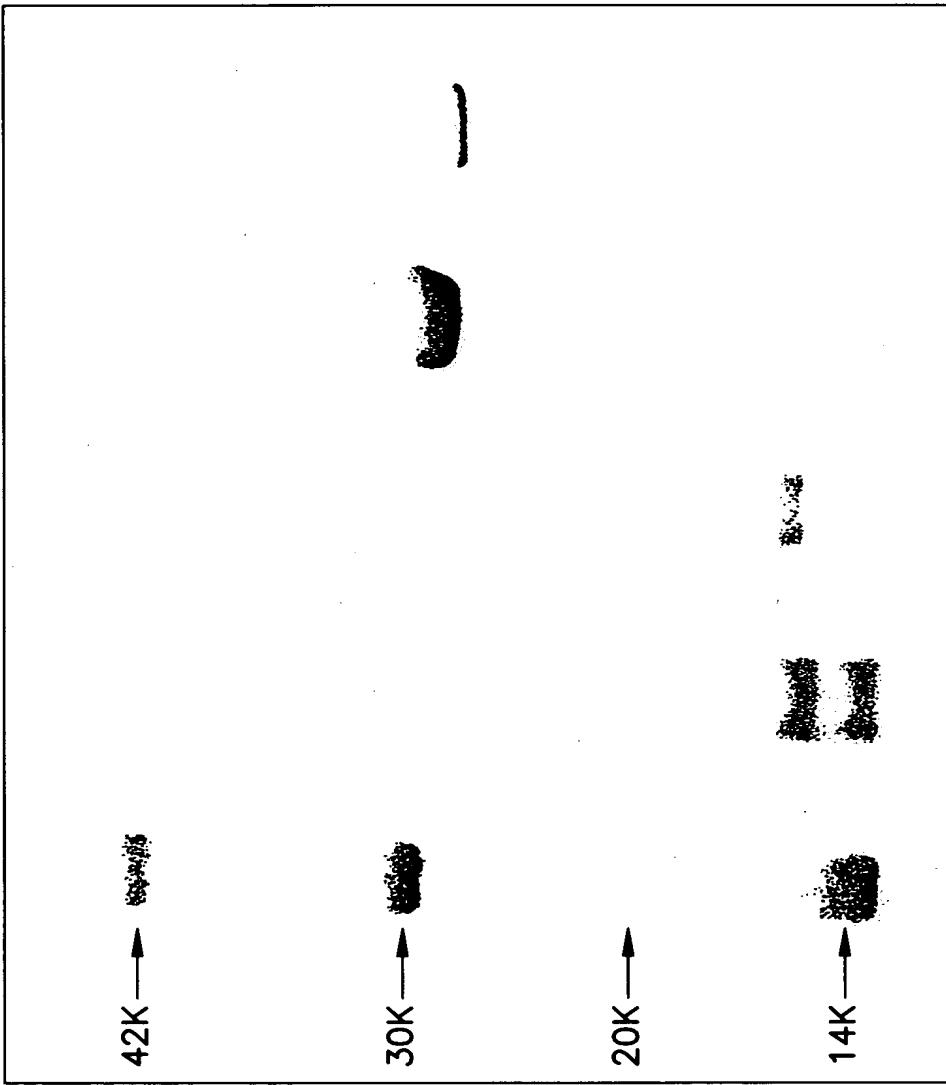
APPROVED	O G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

USE OF PASSIVE MYOSTATIN IMMUNOTHERAPEUTIC AGENTS  
INVENTORS NAME: Mohamed E. El Halawani et al.  
SERIAL NO.: 09/754,826

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09/2009 - 101500

HIS      HISS      THIO  
GDF      LEPTIN      LEPTIN  
M



MRGAHHHHHHGSDFGLDXDEHSTESRXXRY  
SEQ ID NO:3

FIG. 2

APPROVED	O G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

USE OF PASSIVE MYOSTATIN IMMUNOTHERAPY  
IN TURKEYS NAME: Mohamed E. El Halawani et  
SERIAL NO.: 09/754,826

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# Whole Live Turkeys ( Immunized vs Control)



FIG. 3

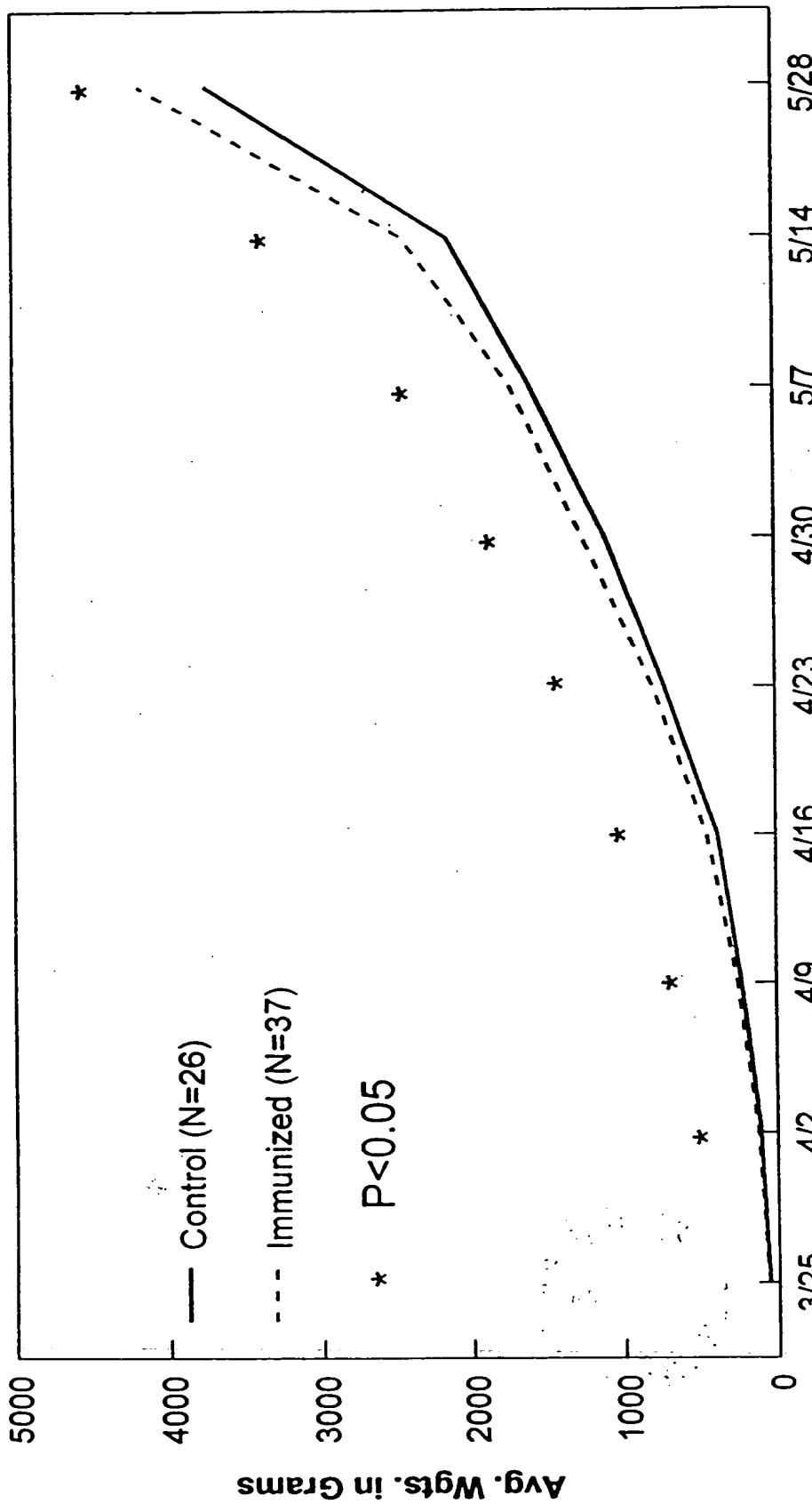
09754826 101603

APPROVED	<input type="checkbox"/> G. FIG.
BY	CLASS      SUBCLASS
DRAFTSMAN	

REF: USE OF PASSIVE MYOSTATIN IMMUNOTHERAPY  
 IN RUMINANTS NAME: Mohamed E. El Halawani et al.  
 SERIAL NO.: 09/754,826

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## Growth Curve : Male (Immunized vs Control)



Wgt. Dates

FIG. 4

APPROVED	C G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

REF: USE OF PASSIVE MYOSTATIN IMMUNIZATION  
 IN PIGS  
 INVENTORS NAME: Mohamed E. El Halawani et al.  
 SERIAL NO.: 09/754,826

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## Growth Curve : Female (Immunized vs Control)

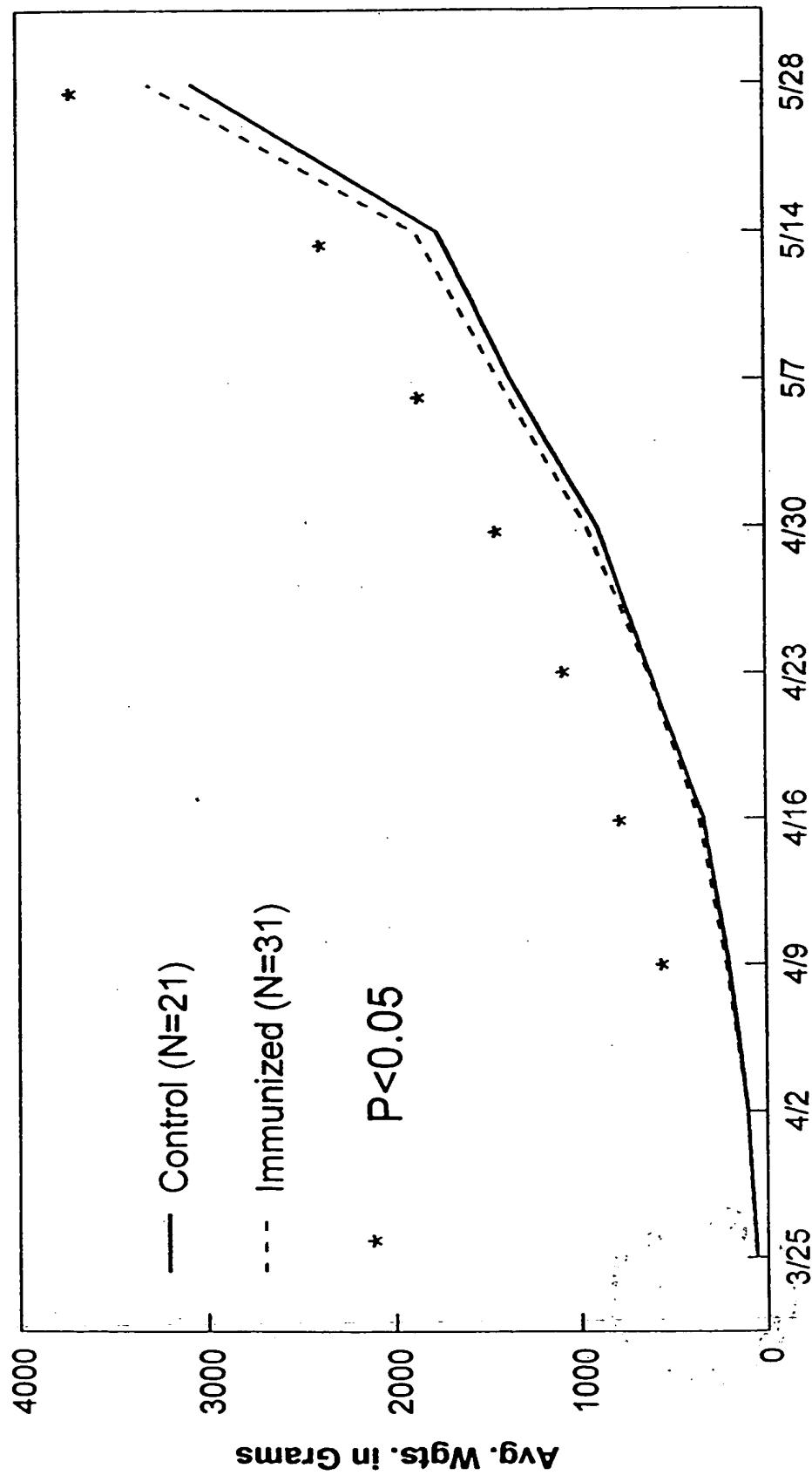


FIG. 5

APPROVED	O G. FIG.
BY	CLASS SUBCLASS
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USE OF PASSIVE MYOSTATIN IMMUNIZATION  
INVENTORS NAME: Mohamed E. El Halawani et al.  
SERIAL NO.: 09/754,826

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# Body Weight

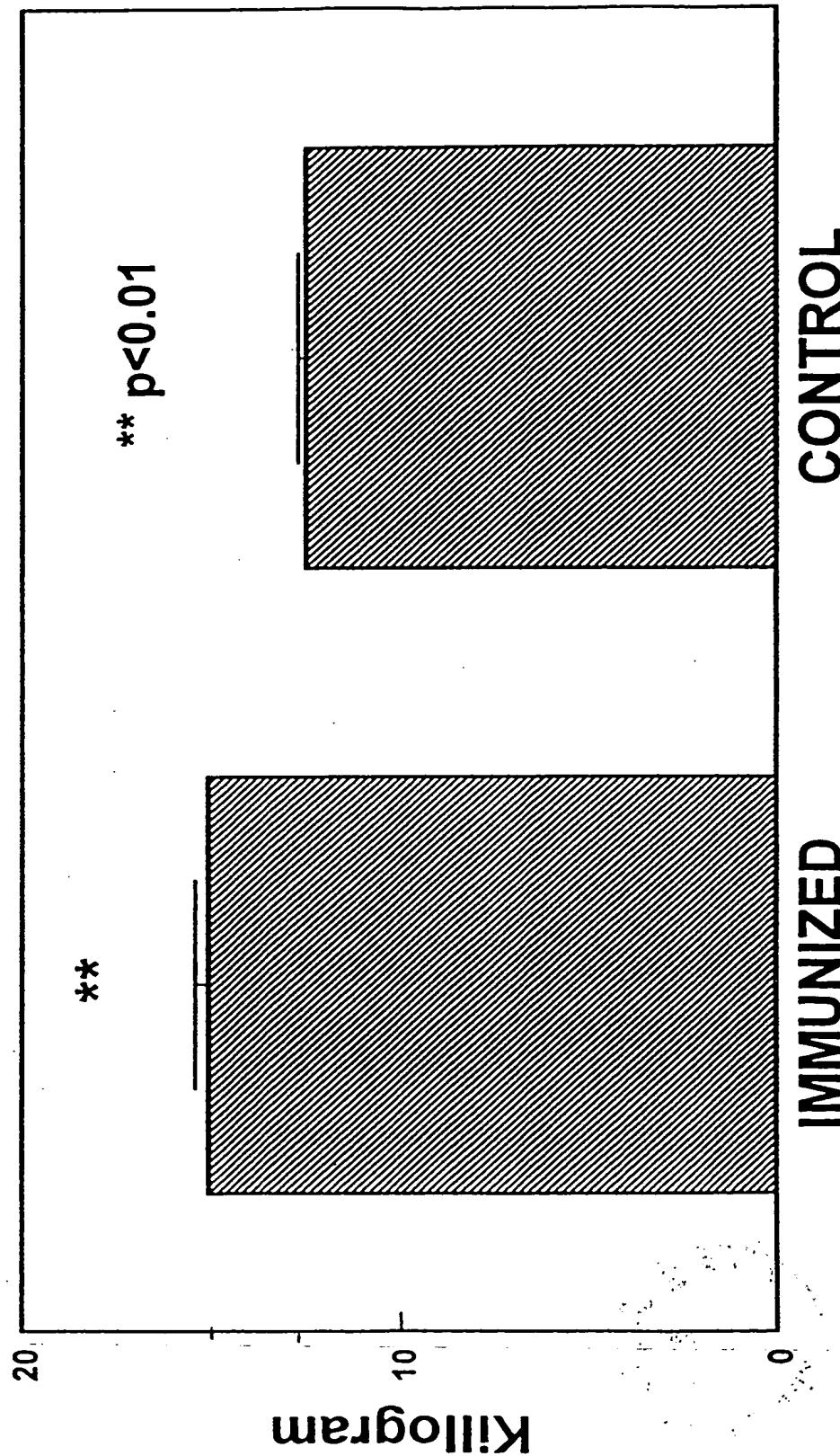


FIG. 6

APPROVED	O G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

USE OF PASSIVE MYOSTATIN IMMUNIZATION  
INVENTORS NAME: Mohamed E. El Halawani et al  
SERIAL NO.: 09/754,826

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# Breast Muscle Weight

FIG. 7  
IMMUNIZED  
CONTROL

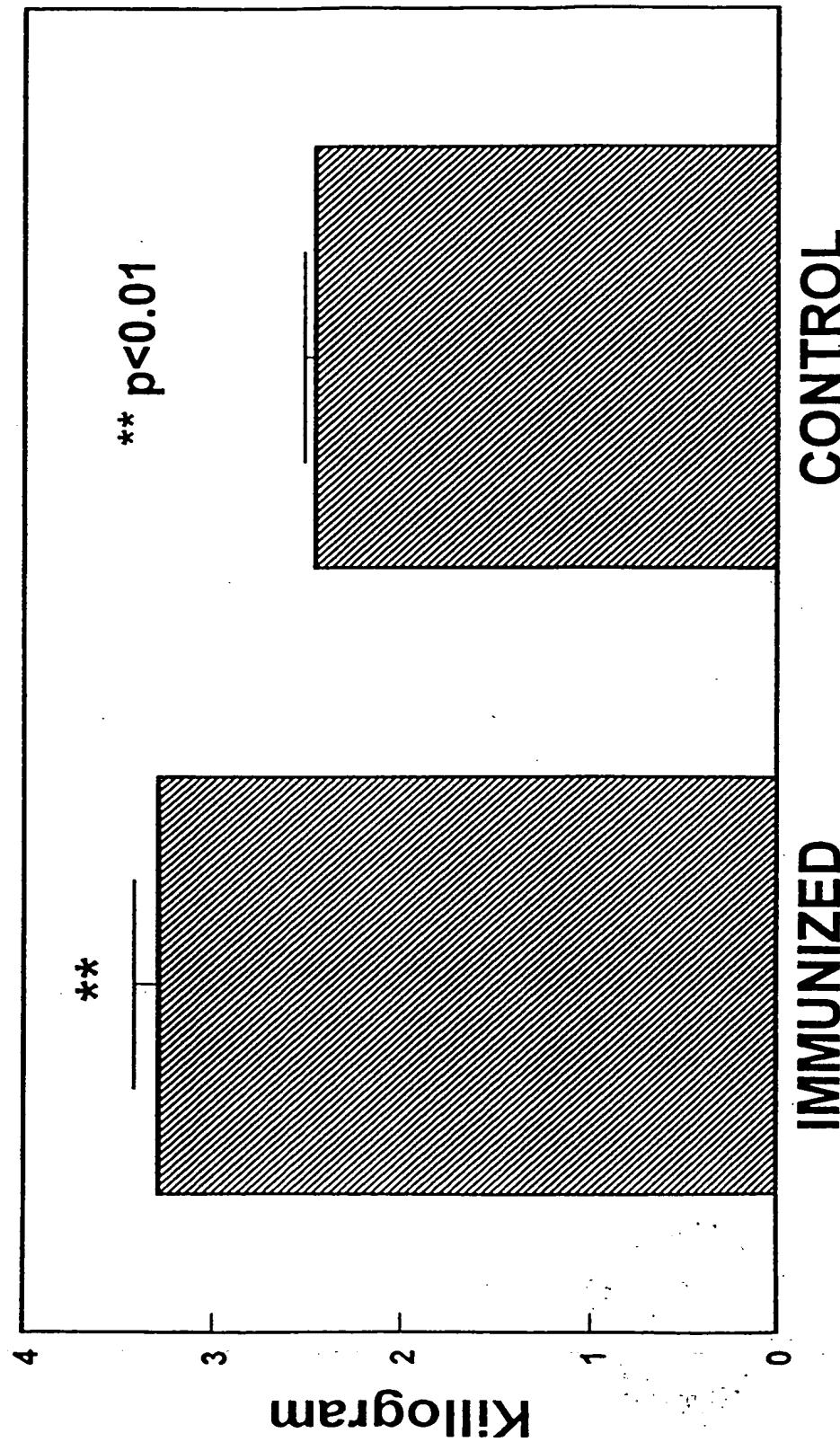


FIG. 7

APPROVED	O G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

TITLE: USE OF PASSIVE MYOSTATIN IMMUNIZATION  
INVENTORS NAME: Mohamed E. El Halawani et al.  
SERIAL NO.: 09/754,826

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# Thigh Muscle Weight

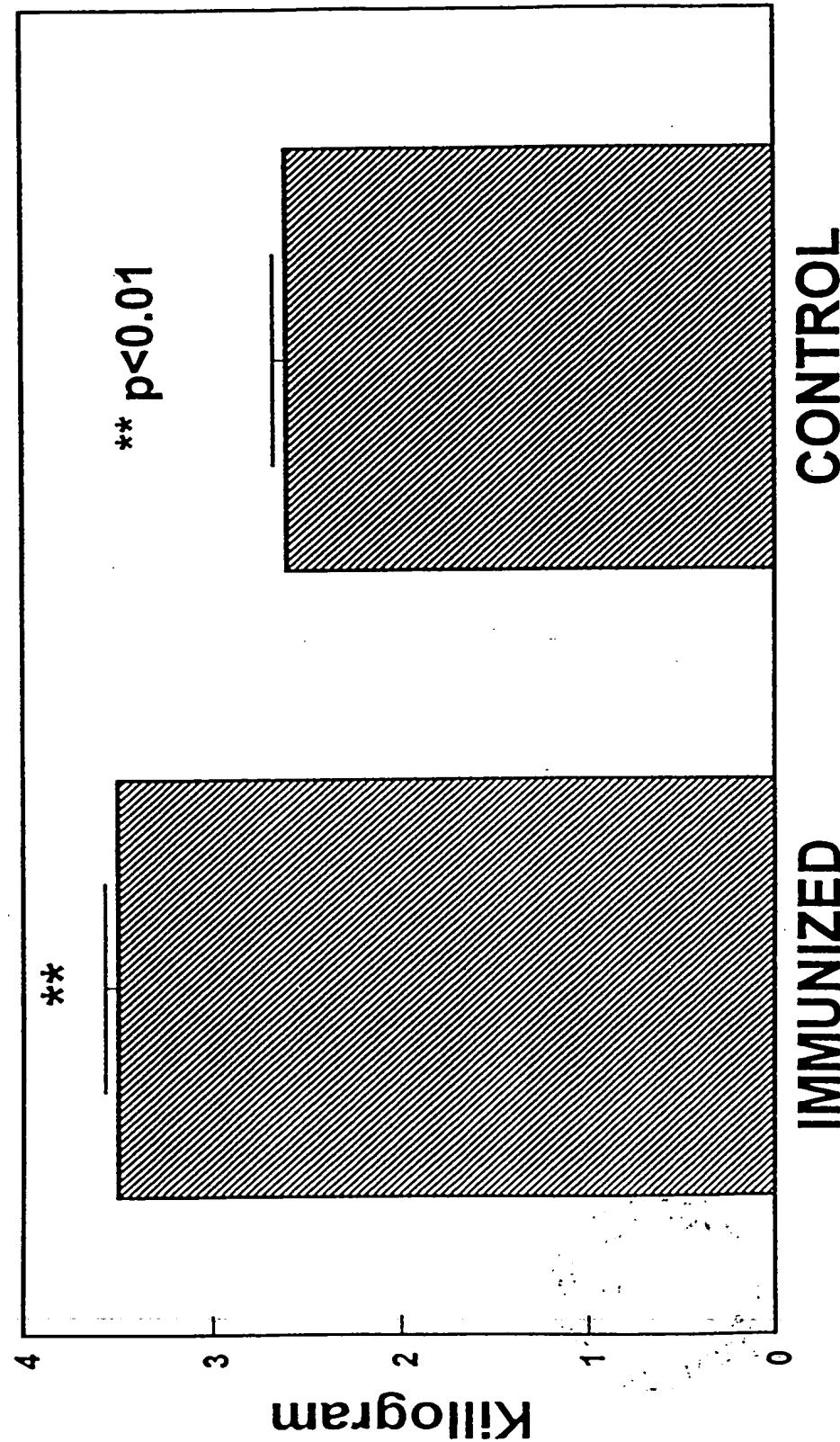


FIG. 8

APPROVED	O G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

TITLE: USE OF PASSIVE MYOSTATIN IMMUNIZANT  
INVENTORS NAME: Mohamed E. El Halawani et al.  
SERIAL NO.: 09/754,826

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# Breast Bone Weight

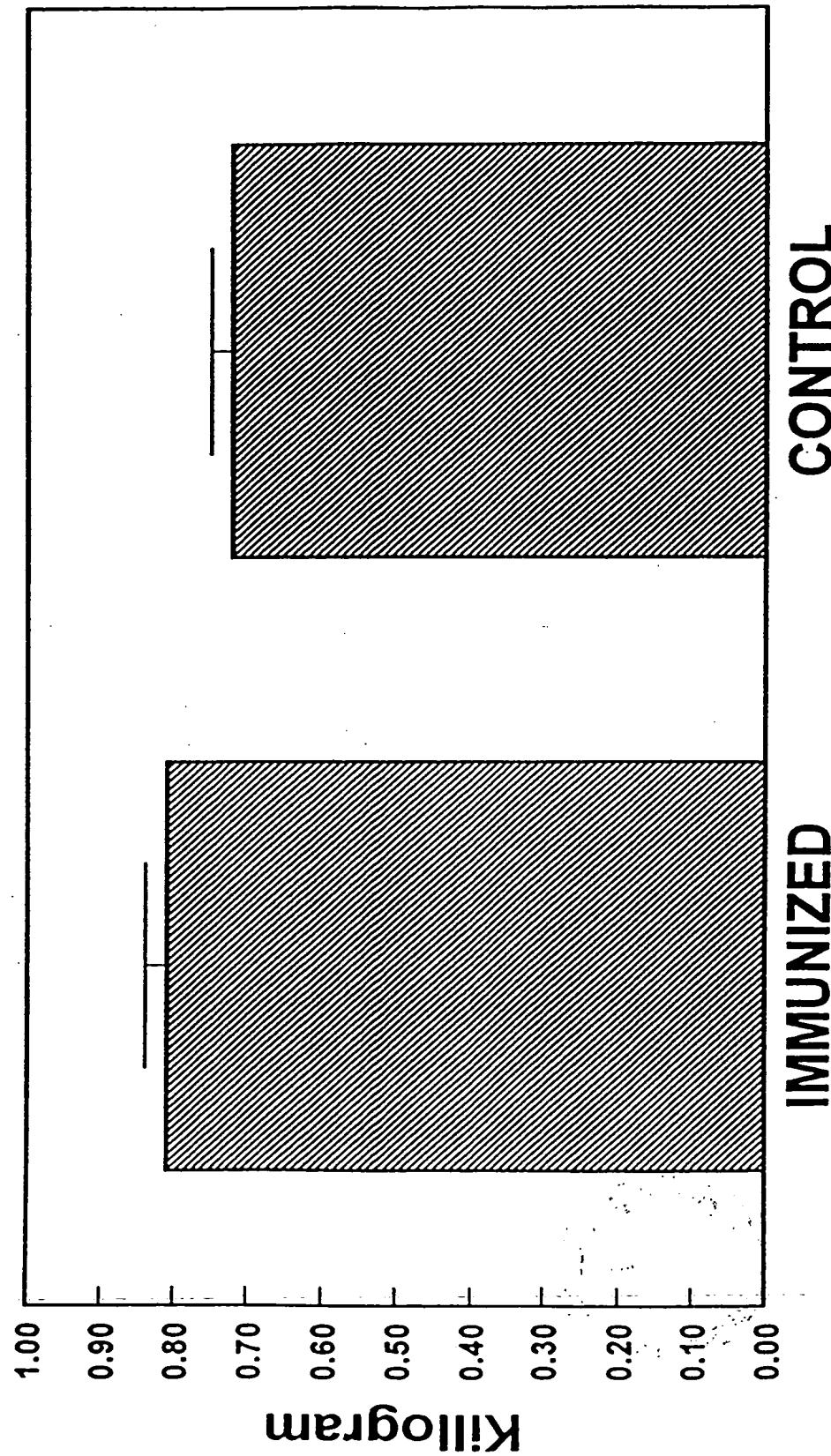


FIG. 9

TOEAT-1-53945260

APPROVED	O G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

THE USE OF PASSIVE MYOSTATIN IMMUNIZATION  
INVENTORS NAME: Mohamed E. El Halawani et al.  
SERIAL NO.: 09/754,826

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## Abdominal Fat Weight

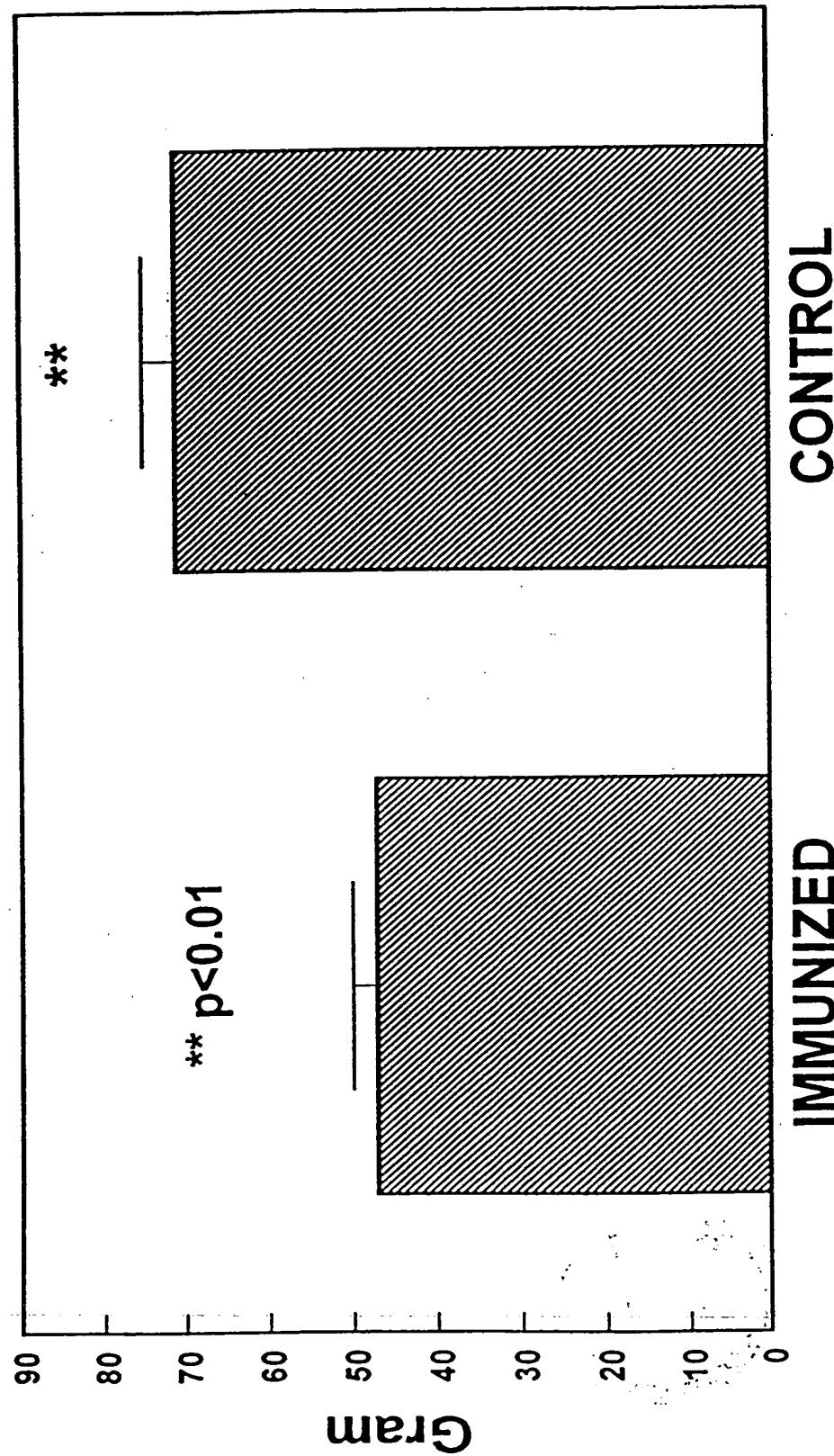


FIG. 10

APPROVED	O G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

TITLE: USE OF PASSIVE MYOSTATIN IMMUNIZANT  
INVENTORS NAME: Mohamed E. El Halawani et al.  
SERIAL NO.: 09/754,826

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# Gut Weight

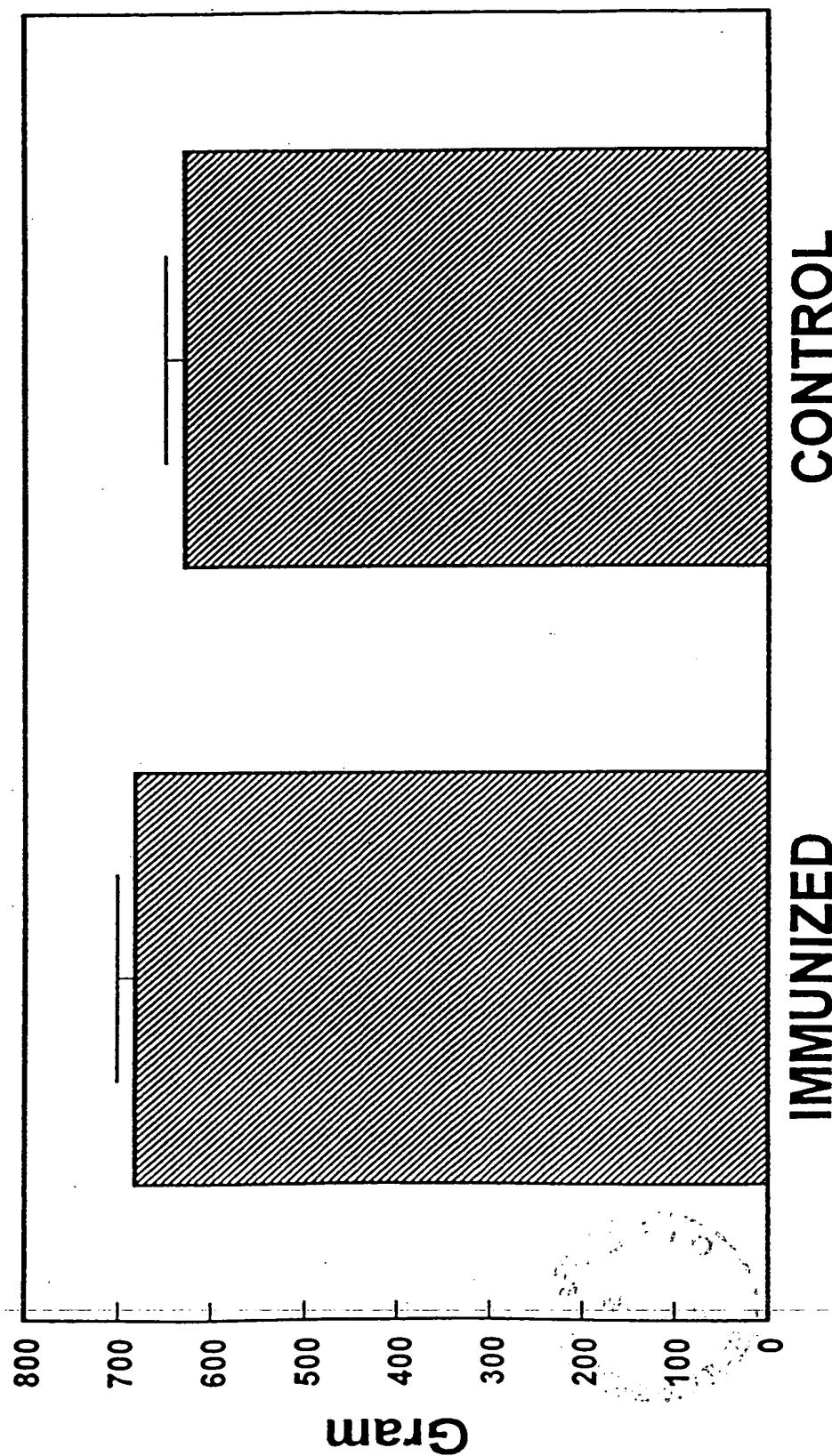


FIG. 11

APPROVED	O G. FIG.
BY	CLASS SUBCLASS
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THE USE OF PASSIVE MYOSTATIN IMMUNIZATI  
INVENTORS NAME: Mohamed E. El Halawani et al.  
SERIAL NO.: 09/754,826

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# Heart Weight

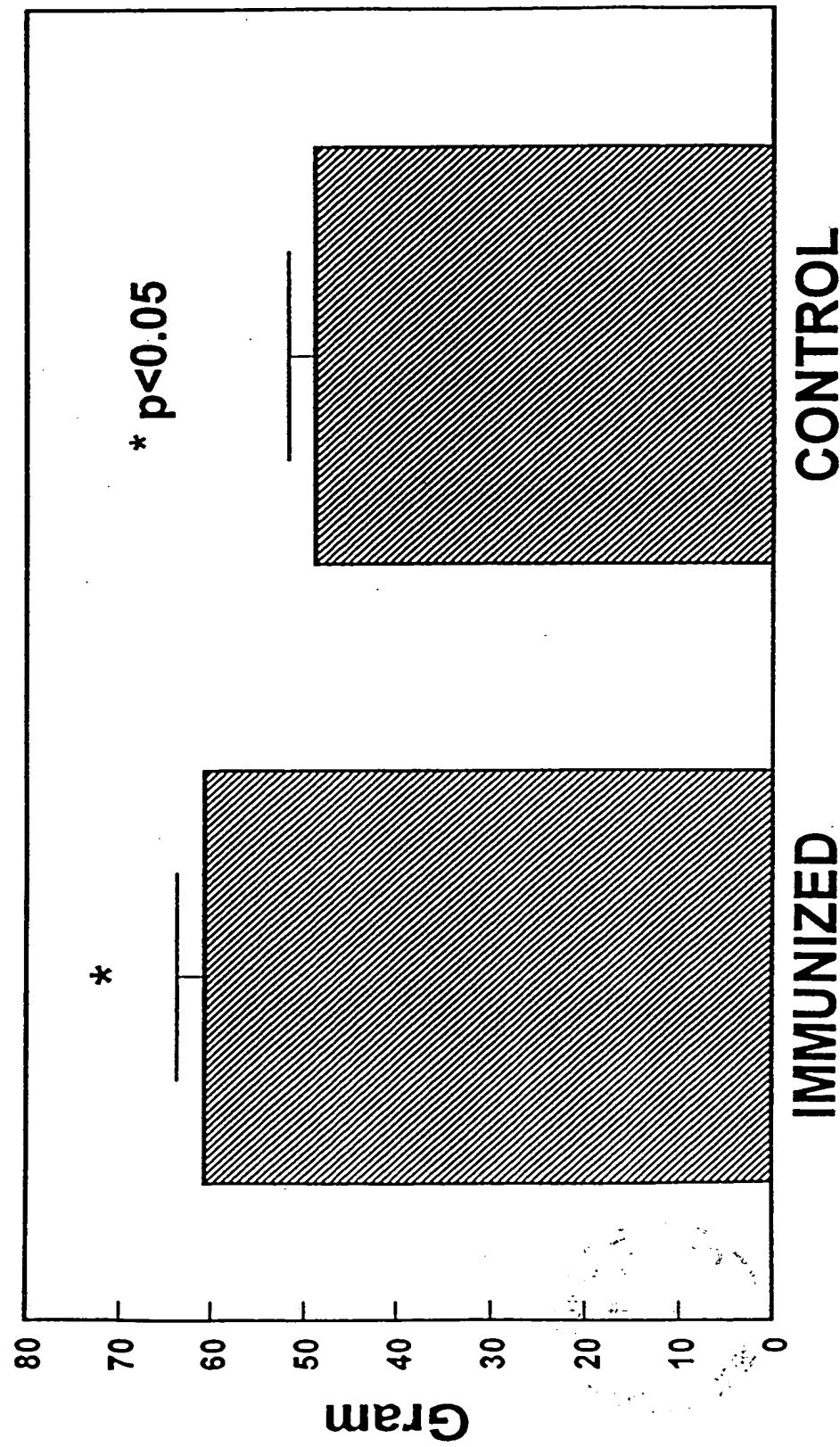


FIG. 12

APPROVED	O G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

FILE: USE OF PASSIVE MYOSTATIN IMMUNIZATION  
INVENTORS NAME: Mohamed E. El Halawani et al.  
SERIAL NO.: 09/754,826

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# Liver Weight

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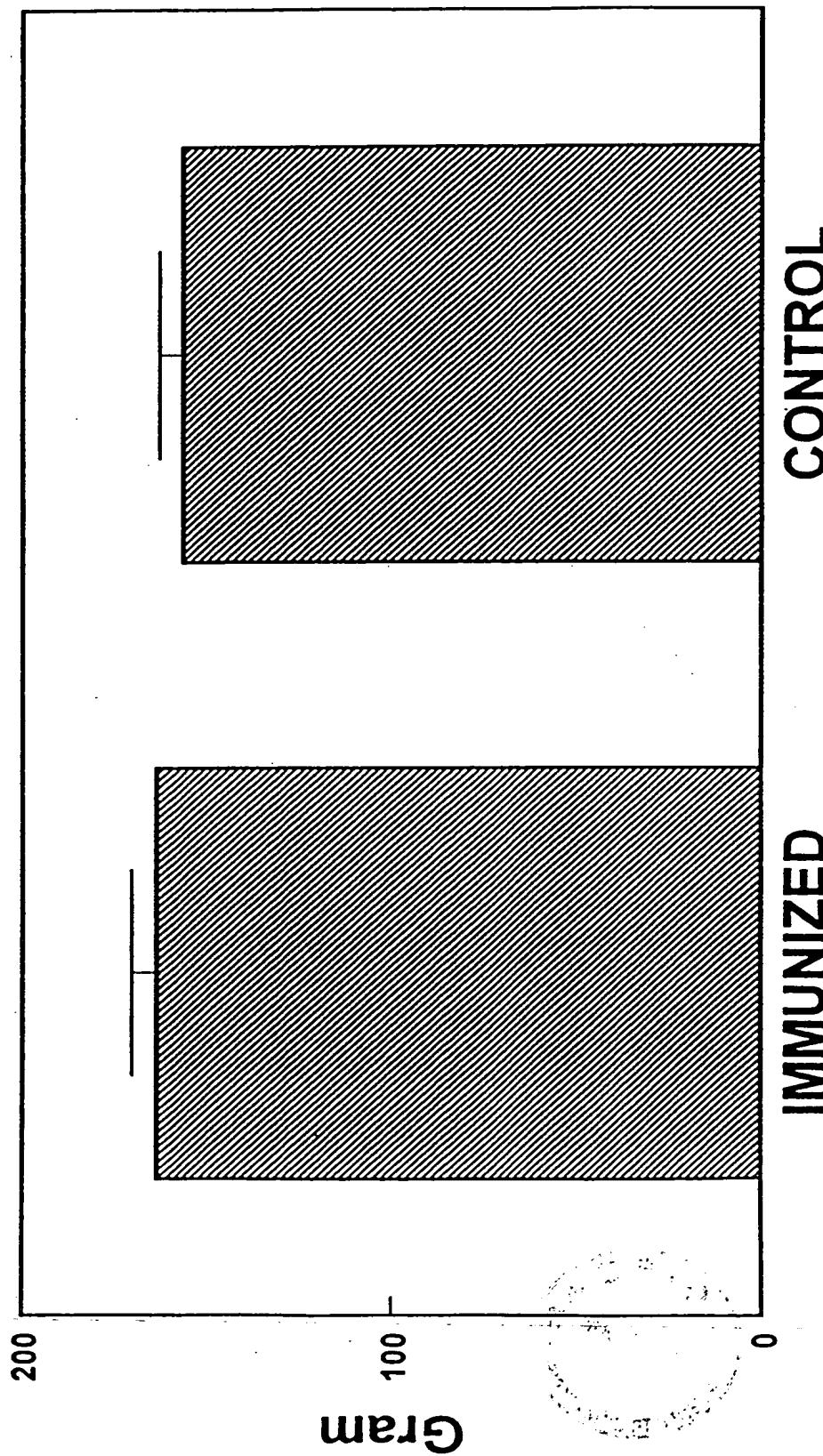


FIG. 13

APPROVED	O. G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

FILE: USE OF PASSIVE MYOSTATIN IMMUNIZATION  
 INVENTORS NAME: Mohamed E. El Halawani et al.  
 SERIAL NO.: 09/754,826

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# Testis Weight

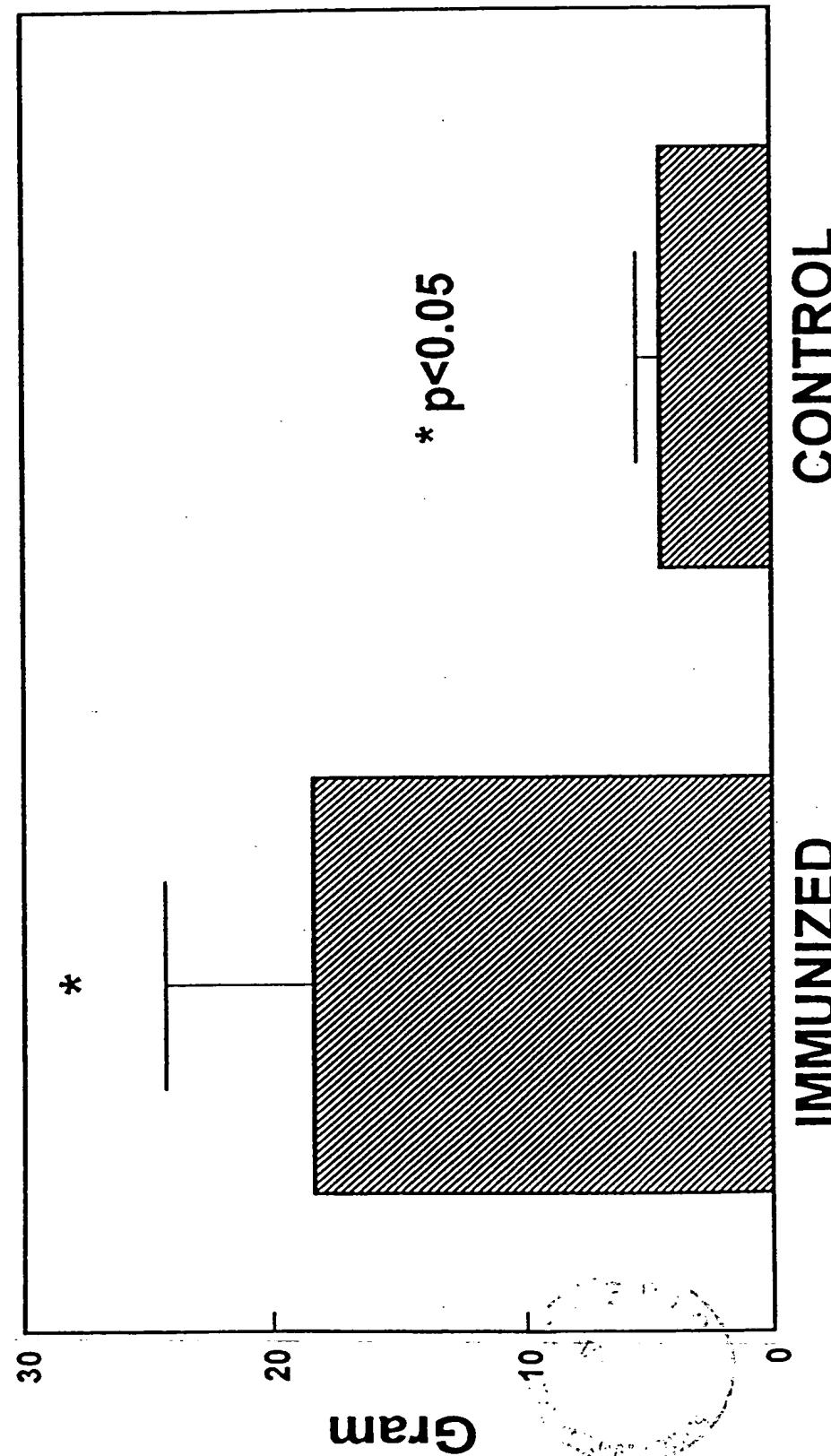


FIG. 14

APPROVED	<input type="checkbox"/> G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

USE OF PASSIVE MYOSTATIN IMMUNOTHERAPEUTIC AGENTS  
IN VETERINARY MEDICINE  
INVENTORS NAME: Mohamed E. El Halawani et  
SERIAL NO.: 09/754,826

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# Breast Muscle ( Immunized vs Control)



FIG. 15

APPROVED	O G. FIG.
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USE OF PASSIVE MYOSTATIN IMMUNOTHERAPY  
IN BREAST CANCER  
INVENTORS NAME: Mohamed E. El Halawani et  
AL  
SERIAL NO.: 09/754,826

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# Breast ( Immunized vs Control)



FIG. 16

APPROVED	<input type="checkbox"/> G. FIG.
BY	CLASS SUBCLASS
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USE OF PASSIVE MYOSTATIN IMMUNOTHERAPY  
INVENTORS NAME: Mohamed E. El Halawani et  
SERIAL NO.: 09/754,826

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# Thigh Muscle

(Immunized vs Control)

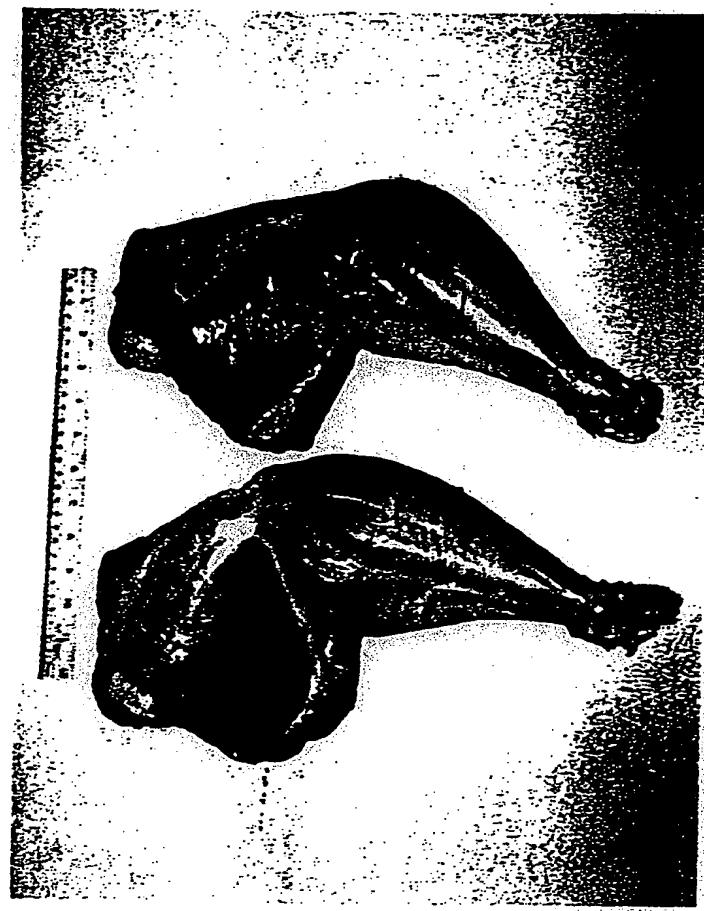


FIG. 17

09/754,826 - 101604

APPROVED	<input type="checkbox"/> G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

USE OF PASSIVE MYOSTATIN IMMUNOTHERAPY  
INVENTORS NAME: Mohamed E. El Halawani et al  
SERIAL NO.: 09/754,826

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# Abdominal Fat

( Immunized vs Control)



FIG. 18

0 9 7 5 4 8 2 6 - 1 0 1 6 0 4

APPROVED	O. G. FIG.
BY	CLASS SUBCLASS
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USE OF PASSIVE MYOSTATIN IMMUNIZATION  
INVENTORS NAME: Mohamed E. El Halawani et al.  
SERIAL NO.: 09/754,826

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# Testis

( Immunized vs Control)

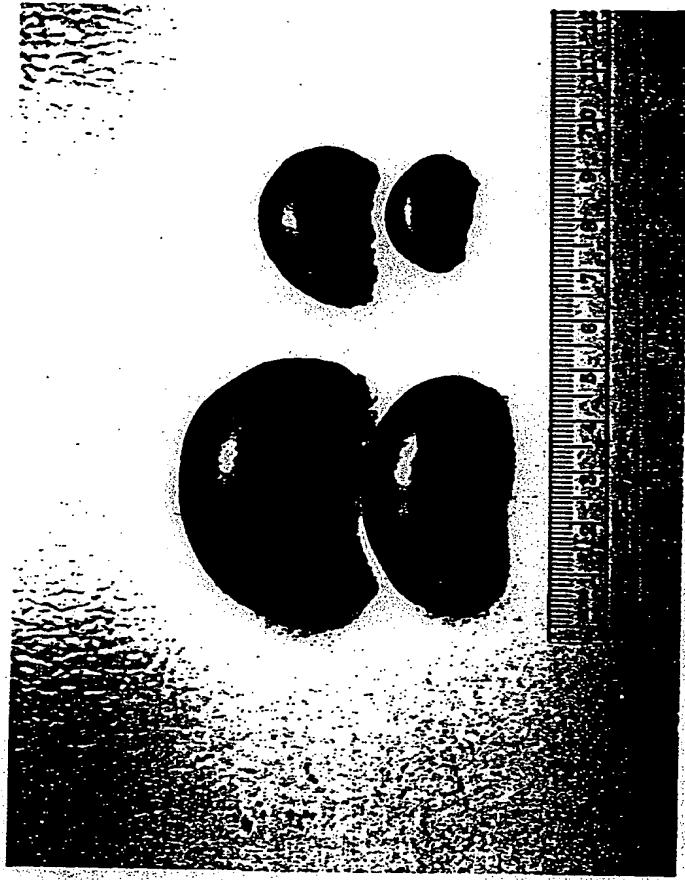


FIG. 19

09/754,826 - 10 1601

APPROVED	G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

USE OF PASSIVE MYOSTATIN IMMUNOTHERAPY  
INVENTORS NAME: Mohamed E. El Halawani et al.  
SERIAL NO.: 09/754,826

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# Heart

( Immunized vs Control)



FIG. 20

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